

# **G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY**

(Accredited by NAAC with 'A' Grade of UGC, Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Ananthapuramu)

(Recognized by UGC under 2(f) & 12(B) & ISO 9001: 2008 Certified Institution)

**(I B.Tech II Semester (R15) II-MID Descriptive Examination May 2017)**

**ENVIRONMENTAL STUDIES (15A01101)**

**BRANCH: ELECTRICAL & ELECTRONIC ENGINEERING**

**TIME: 90 MINUTES**

**MAX MARKS: 30**

**Date: 12-05-17**

**PART-I (2\*5=10M)**

Q.NO	Questions	Marks	Unit	CO	Cognitive Level
1	A Explain Bhopal gas tragedy?	2M	III	C202.3	Understand
	B What is nuclear winter?	2M	III	C202.3	Remember
	C What is Green House Effect?	2M	IV	C202.4	Remember
	D Explain the concept of Paul ehrlich & John hardren method?	2M	IV	C202.5	Understand
	E Define total fertility rate	2M	III	C202.6	Remember

**PART-II (2\*10=20M)**

Q.NO	Questions	Marks	Unit	CO	Cognitive Level
2	Define water pollution. Explain causes, effects & control measures of water pollution	10M	III	C202.3	Remember
<b>(OR)</b>					
3	A Explain the role of individual in prevention of pollution	5M	III	C202.3	Understand
	B What is rain water harvesting? Explain the methods of rain water harvesting	5M	IV	C202.4	Understand
4	A Discuss in detail the problems and concerns associated with resettlement & rehabilitation of people due to major projects.	6M	IV	C202.4	Understand
	B Explain about water act & air act.	4M	IV	C202.5	Understand
<b>(OR)</b>					
5	Explain in detail about population characteristics and variation among nations.	10M	V	C202.6	Understand

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Q.NO	Questions	Marks	Unit	CO	Cognitive Level
1	A Explain Indoor air pollution.	2M	III	C202.3	Understand
	B Define Itai-Itai disease.	2M	III	C202.3	Remember
	C What is water shed management?	2M	IV	C202.4	Remember
	D Compare the Malthusian theory & Marxian theory	2M	V	C202.5	Analyze
	E Define doubling time.	2M	V	C202.6	Remember

## **PART-II (2\*10=20M)**

Q.NO	Questions	Marks	Unit	CO	Cognitive Level
2	Define Air pollution. Explain causes, effects & control measures of air pollution.	10M	III	C202.3	Remember
<b>(OR)</b>					
3	What do you mean by 3R principle in waste management? Explain in detail waste land reclamation practices.	10M	IV	C202.4	understand
4	Discuss about Water act, Air act, Forest act & Wild life act	10M	IV	C202.4	understand
<b>(OR)</b>					
5	A Explain the role of Information technology in environment and human health.	5M	V	C202.5	understand
	B Write your observations about the polluted site in your region and suggest measures to control the pollution	5M	V	C202.6	Remember

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1	A	Define pollution. Name various atmospheric pollutants.	2M	III	C202.3	Remember
	B	Differentiate between sound & noise	2M	III	C202.3	Analyze
	C	Enlist the effects of acid rains.	2M	IV	C202.4	Remember
	D	What is population explosion?	2M	V	C202.5	Remember
	E	Briefly discuss HIV/AIDS.	2M	V	C202.6	understand

**PART-II (2\*10=20M)**

Q.NO	Questions	Marks	Unit	CO	Cognitive Level	
2	Define thermal pollution. Explain causes, effects & control measures of thermal pollution.	10M	III	C202.3	Remember	
<b>(OR)</b>						
3	A	Explain the role of individual in prevention of pollution	5M	III	C202.3	understand
	B	What is water shed? Discuss the objectives and practices of water shed management.	5M	IV	C202.4	understand
4	A	What is rain water harvesting? Explain traditional and modern techniques	5M	IV	C202.4	Remember
	B	What are the urban problems related to energy?	5M	IV	C202.4	Remember
<b>(OR)</b>						
5	A	Explain the role of Information technology in environment and human health.	5M	V	C202.5	understand
	B	Write your observations about the polluted site in your region and suggest measures to control the pollution	5M	V	C202.6	Remember

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	B	2M	III	C202.3	Understand
	C	2M	IV	C202.4	Remember
	D	2M	V	C202.5	Analyze
	E	2M	V	C202.6	understand

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4	A	5M	IV	C202.4	Understand
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5	Explain in detail about population characteristics and variation among nations.	10M	V	C202.6	Understand